

### ABSTRACT

A voice signal from a microphone is processed for compressing and coding in a voice compressor 4. The compressed voice data that the voice compressor 4 outputs is input into a transmission switching section 5. The transmission switching section 5 switches and outputs the compressed voice data to either a UDP transmitter 7 or a TCP transmitter 6 according to a transmission switching signal that the network situation supervisory section 10 outputs. A network situation supervisory section 16 outputs a transmission switching signal which acts so as to transmit with a UDP in case that a network is in a situation with a margin, and the transmission switching signal which acts so as to transmit with a TCP in case that a network is in a confused situation responding to network congestion information that is obtained from a network interface 9. This allows a protocol transmitting the compressed voice data to be selected corresponding to a congestion situation of the network, and thereby a voice call without interruption can be obtained even though the network is in a confused and low-quality situation.